**Ideas for hypotheses**

<http://injuryprevention.bmj.com/content/12/6/365.full>

This report enquires whether the Australian 1996 ban on certain firearms has reduced homicide and suicide rates.

It contains many of the features of the ITI SAT - hypothesis, variables, statistics, conclusions, graphics, bibliography.

It might be a useful topic for students (and teachers) to practise with.

The ABS has a range of information that are similar, without a specific hypothesis but containing information in a like format:

<http://abs.gov.au/AUSSTATS/abs@.nsf/Lookup/4102.0Chapter10002008>

[**http://poly-graph.co/timeless/**](http://poly-graph.co/timeless/)

· Reasonable hypothesis if not stated (finding the popularity of older music)

· Images/interactive features

· User choice through the search filters

· Really clear/clean design

· A range of infographics

I reckon<http://fivethirtyeight.com/> is another great place to look at data visualisation. Politics and sport, two of my favourite areas of interest.

This one’s a classic :)

<https://fivethirtyeight.com/features/our-favorite-examples-of-how-the-internet-talks-on-reddit/>

Here’s another great source teaching science and being interested in our local wetlands Melbourne Water have a lot of data from all over the state for us to download and some interactives to use as well as make our own from csv files.

<http://www.melbournewater.com.au/waterdata/rainfallandriverleveldata/Pages/Rainfall-and-river-level-new.aspx?SiteID=123>

This is from our local weather station just around the corner from the school.

I am sure you can easily find some local data for your areas

Another resource.  Health data visualised and interactive:

<http://vizhub.healthdata.org/gbd-compare/>

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Yes I loved it particularly when showing teachers in the staff room and having discussions about what is a timeless song.

And if you’re not sure about the song, clicking on the images plays a sample.  Just brilliant

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What I’m wanting to see though are examples of why students are using a multimodal online tool – students need to have some sort of video and audio in the project (from my reading) to justify why teachers don’t just ask for the information to be placed in a Word document.

I’d think this is getting close to what we’re after:

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​Cheers

Mark​

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Gapminder  <http://www.gapminder.org/videos/> is a great example of how presenting data in an engaging way can challenge common myths and drive UN development goals. The videos are great and also explain how data is collected and presented.

On a side note  I’m a new teacher to IT (thrown in the deep end) so really appreciate this forum already!

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Would like to know other teachers’ ideas for SAT-styled examples.

Thanks Mark for an interesting article which does use some of the key features of the Informatics SAT

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Here's a sample hypothesis, research, statistics and references that you might adapt for kiddies approaching the formulation of hypotheses, research, data collection, and reporting for the Informatics SAT.

It's based on the vital question: why do people seem to either love or hate coriander (a.k.a. cilantro) so passionately?

The research asks if there might be a gene that influences the reaction.

- The summary article in [Nature](http://www.nature.com/news/soapy-taste-of-coriander-linked-to-genetic-variants-1.11398):

- ​An [M.Sc​. thesis](https://tspace.library.utoronto.ca/bitstream/1807/31335/1/Mauer_Lilli_K_201108_MSc_Thesis.pdf) with all the creamy research goodness:

​- There's even a [website](http://www.ihatecilantro.com) for coriander haters:

In shock news, there might also be similar factors involved in people's feelings for/against brussels sprouts: your kids might not simply be 'fussy eaters' after all.

Other Victorian datasets are:

Vicmap Data - Land Channel Products and Services -<https://services.land.vic.gov.au/landchannel/content/productcatalogue>

Reporting, planning and data - health.vic -<https://www2.health.vic.gov.au/about/reporting-planning-data>

City of Melbourne - Open Data Portal -<https://data.melbourne.vic.gov.au/>